NEC

PART NO. 599910505

SCHEMATIC DIAGRAMS

COLOR MONITOR **MultiSync® FE950**
MultiSync® FE1250

MODELS FE950 (A) / (B) / (R)
FE1250 (A) / (B) / (R)

NEC Corporation

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08109351 08109348
08109352 08109348

WARNING

The SERVICE PERSONNEL should have the appropriate technical training, knowledge and experience necessary to:

- Be familiar with specialized test equipment, and
- Be careful to follow all safety procedures associated with high voltage CRT circuit designs to minimize danger to themselves and their coworkers.

To avoid electrical shocks, this equipment should be used with an appropriate power code and be connected only to a properly grounded AC outlet.

This equipment utilized a micro-gap power switch. Turn off the set by first pushing the front panel power switch. Next, remove the power cord from the AC outlet.

To prevent fire or shock hazards, do not expose this unit to rain or moisture.

This symbol warns the personnel that un-insulated voltage within the unit may have sufficient magnitude to cause electric shock.

This symbol alerts the personnel that important literature concerning the operation and maintenance of this unit has been included.

Therefore, it should be read carefully in order to avoid any problems.

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⚠ PRODUCT SAFETY CAUTION

1. When parts replacement is required for servicing, always use the manufacturer's specified replacement.

2. Comply with all caution and safety-related notes on the product display chassis and picture tube.

3. When replacing the component, always be certain that all the components are put back in the place.

4. When servicing display monitor unit, it is required that the provided lead dress is used in the high voltage circuit area.

5. It is also recommended that shatter proof goggles are worn, when removing installing and handling the picture tube. People not equipped with the proper precautionary measures mentioned should keep the picture tube away from body while handling.

6. As for a connector, pick and extract housing with fingers properly since a disconnection and improper contacts may occur, when wires of the connector are led.

7. Use a proper screwdriver. If you use screwdriver that does not fit, you may damage the screws.

8. X-radiation precaution

   This product contains critical electrical and mechanical parts essential for X-ray protection.

   Normal anode voltage is 27.0 kV at zero beam picture tube current under AC 100-120V/220-240V input, and anode voltage must not exceed the voltages shown below under any operation condition.

   To measure anode voltage set brightness for very dim picture, and use a high impedance volt meter between chassis and anode lead and measure high voltage.

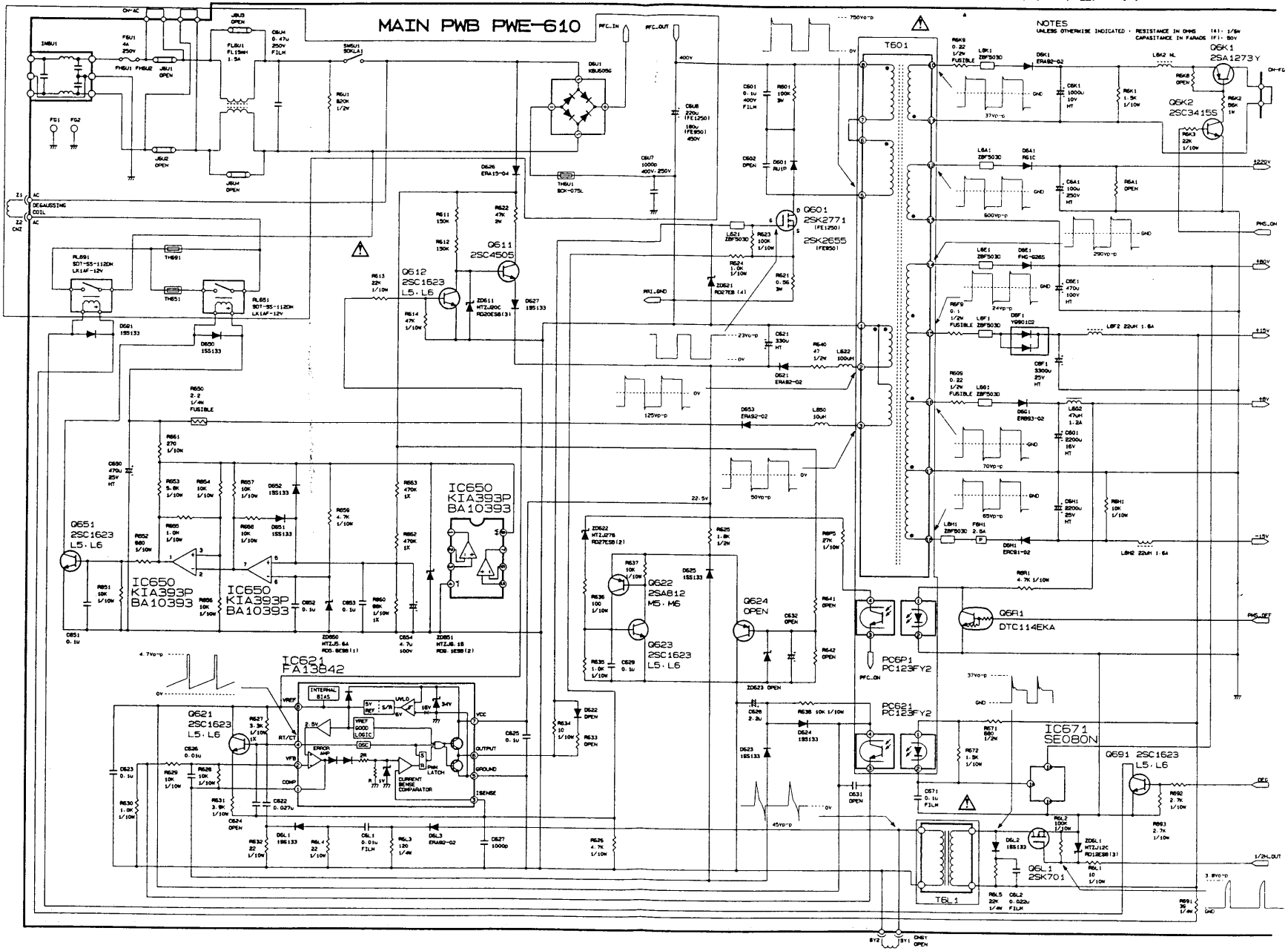
   If high voltage exceeds the specifications on the chassis schematic diagram, take the necessary corrective action.

Table MAXIMUM ANODE VOLTAGE

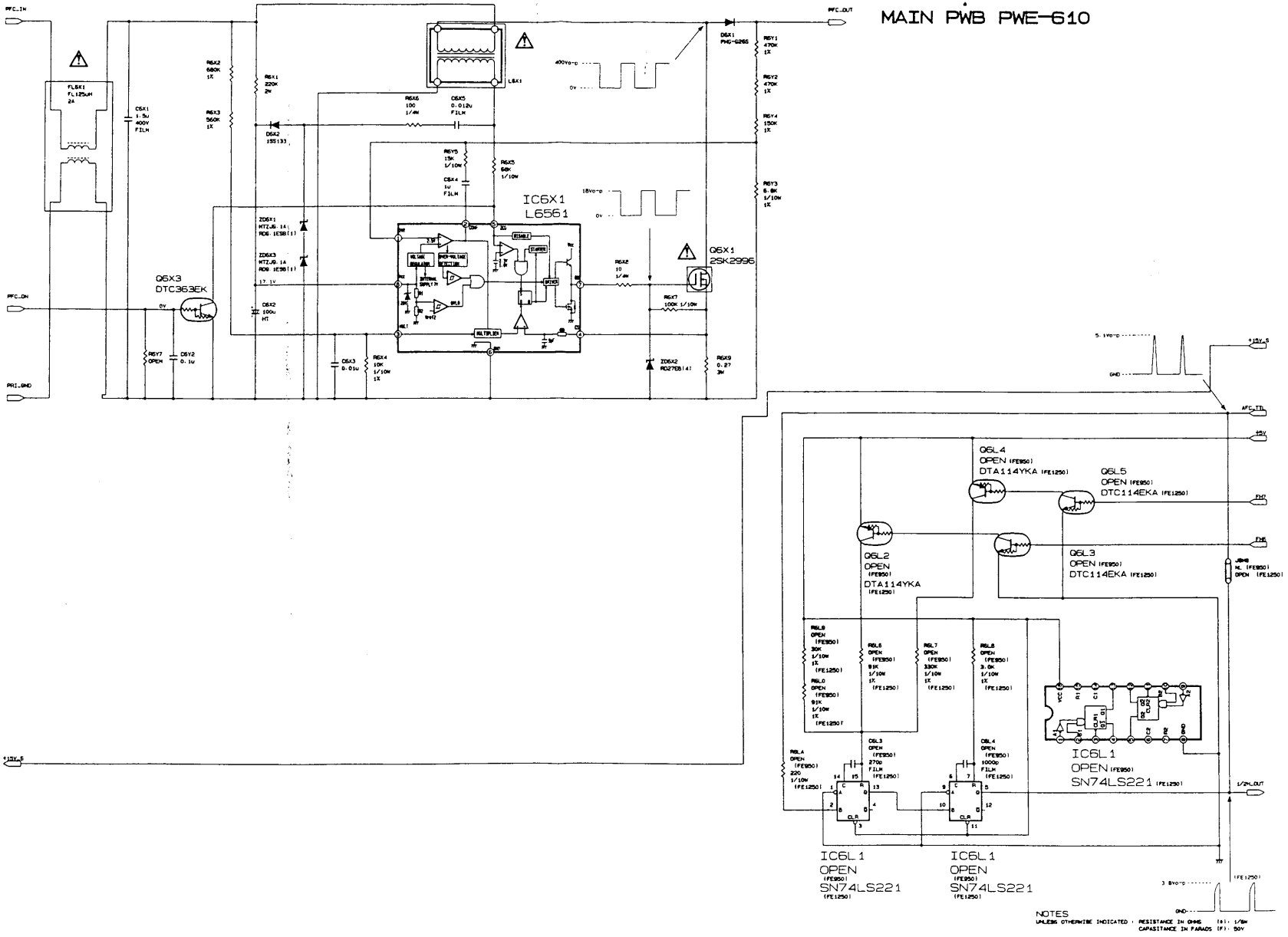
beam current	at 0 mA	at 0.7 mA	at 1.4 mA
A/B/R	34.5 kV	32.5 kV	32.3 kV

9. When you degauss the set with an external degaussing coil, you must keep strictly item " * Notes about degaussing method " of ADJUSTMENT PROCEDURES.

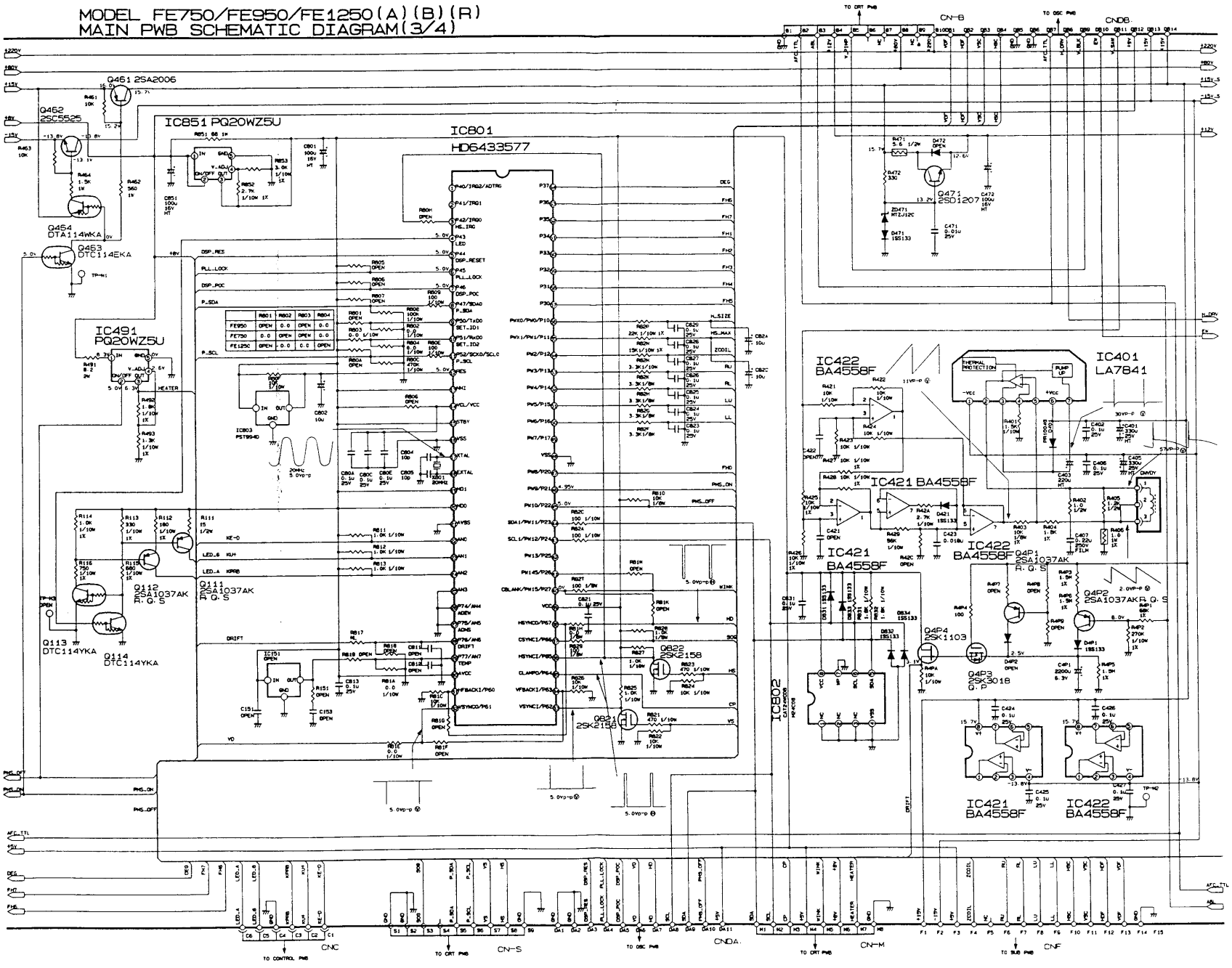
MODEL FE950/FE1250(A)(B)(R) MAIN PWB SCHEMATIC DIAGRAM (1/4)



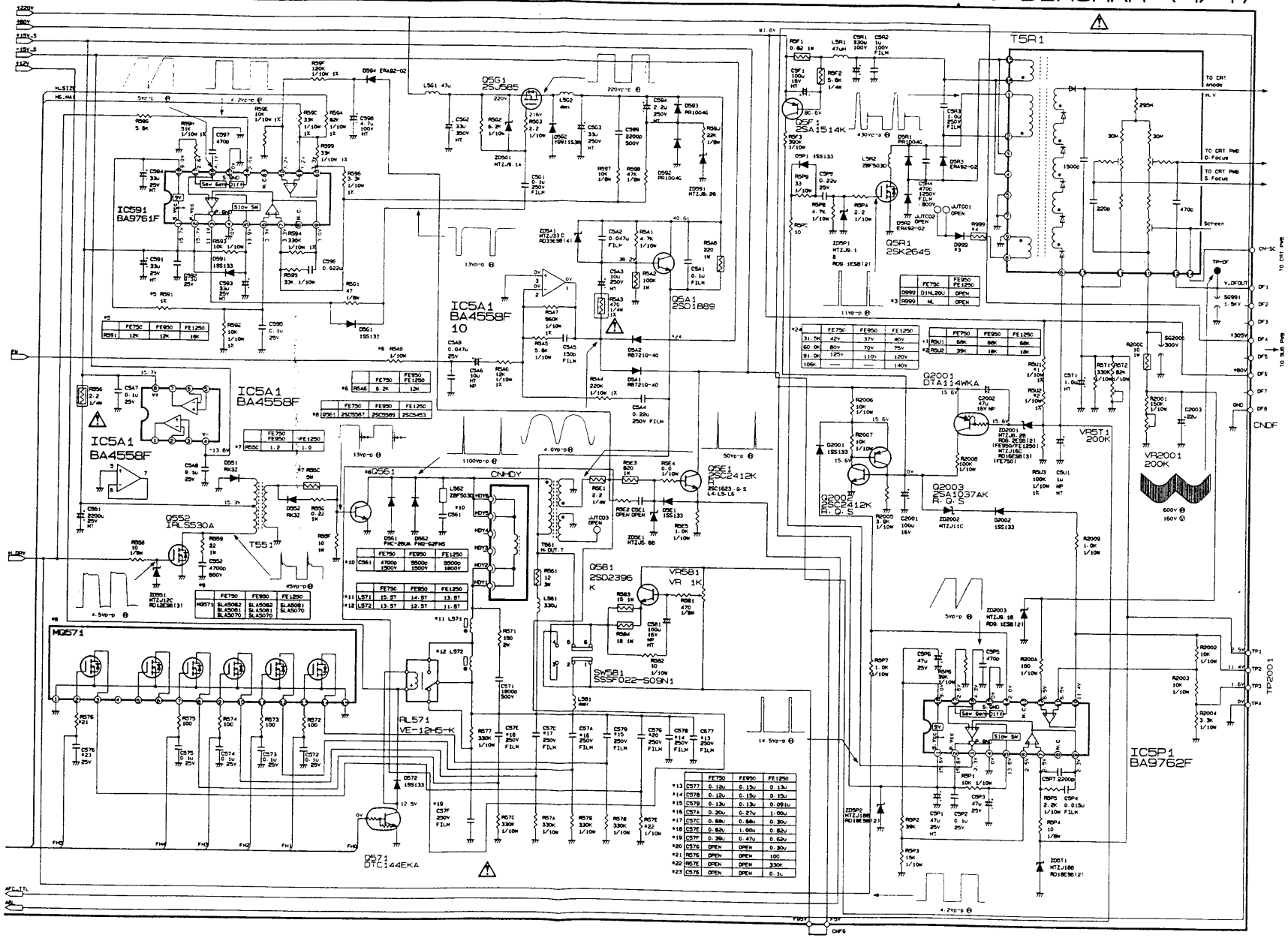
MODEL FE950/FE1250(A)(B)(R) MAIN PWB SCHEMATIC DIAGRAM (2/4)



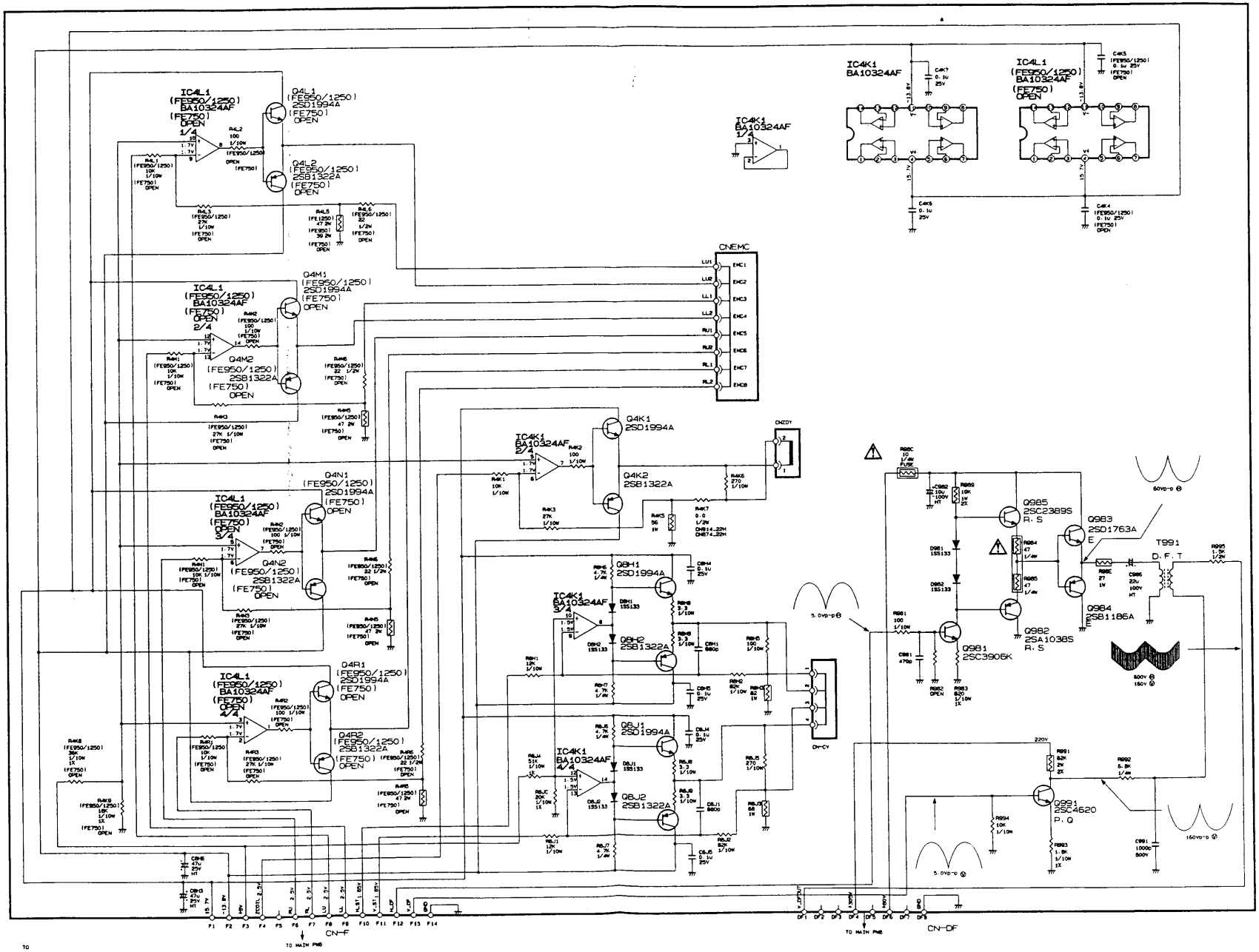
MODEL FE750/FE950/FE1250(A)(B)(R)
MAIN PWB SCHEMATIC DIAGRAM(3/4)



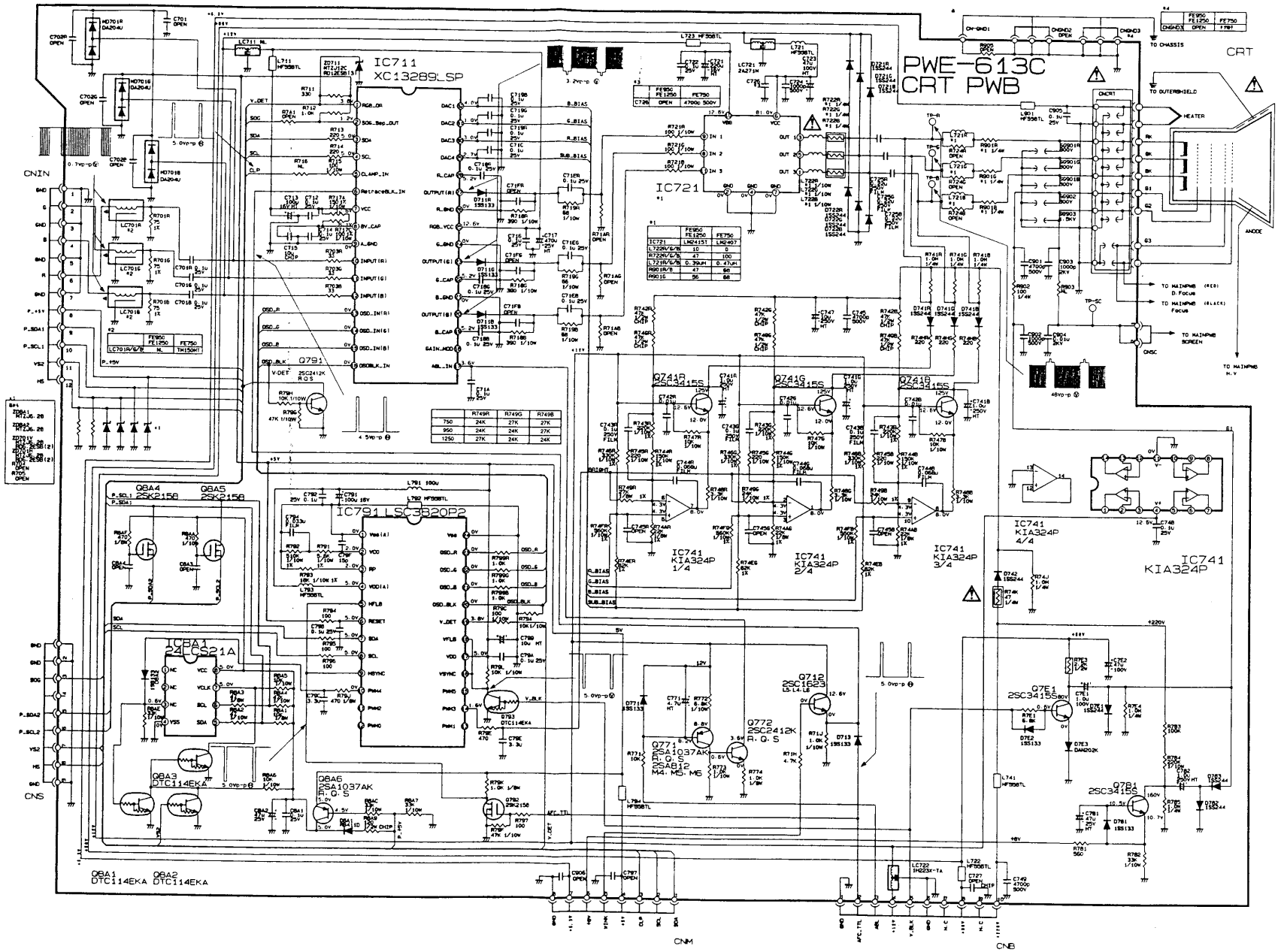
MODEL FE750/FE950/FE1250(A)(B)(R) MAIN PWB SCHEMATIC DIAGRAM (4/4)



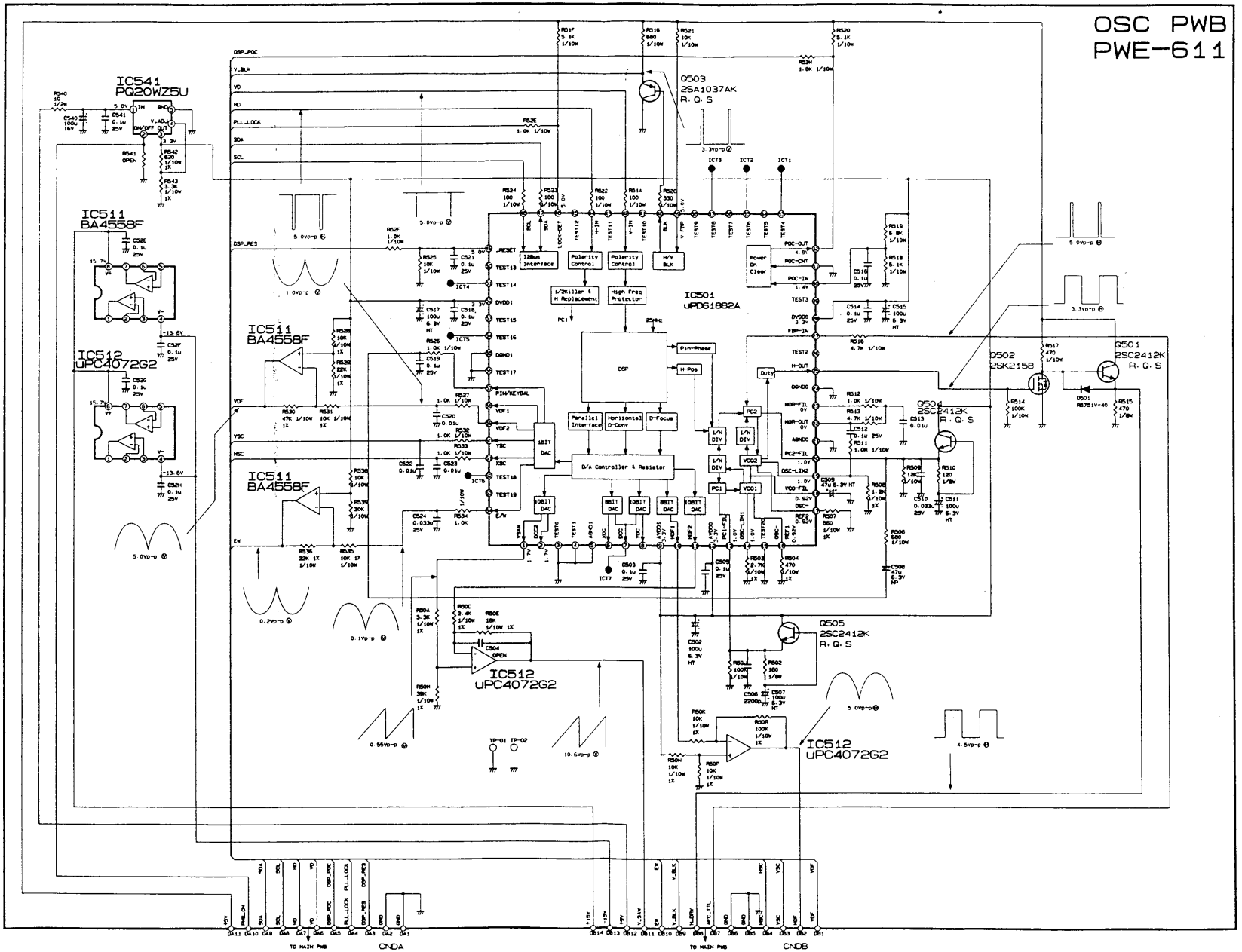
MODEL FE750/FE950/FE1250(A)(B)(R) SUB PWB SCHEMATIC DIAGRAM



MODEL FE750/FE950/FE1250(A)(B)(R) CRT PWB SCHEMATIC DIAGRAM



MODEL FE750/FE950/FE1250(A)(B)(R) OSC PWB SCHEMATIC DIAGRAM



MODEL FE750/FE950/FE1250(A)(B)(R) CONTROL PWB SCHEMATIC DIAGRAM